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US EPA RECORDS CENTER REGION 5



486263

P1
1-10-03

10 January 2003

Ms. Mary N Darling
Rapid Response - Project Engineer
United States Army Corps of Engineers
Building 525
Castle Hall
Offutt AFB, NE 68113

Re: Proposed Sampling Locations and List of Assumptions
Stage IV Soil Sampling Program
The Mississippi River Gateway Initiative
East St. Louis, Illinois

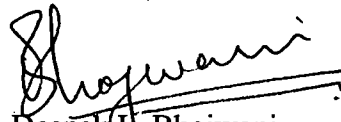
Dear Ms. Darling:

Weston Solutions, Inc. (WESTON®) is pleased to submit to the United States Army Corps of Engineers (USACE) three copies of Figures 1 and 2 showing the proposed soil sampling locations and the list of assumptions for the Stage IV soil sampling program. Please review and let us know your comments.

If you have any questions or require additional information, please feel free to contact me at (847) 918-4005.

Very truly yours,

Weston Solutions, Inc.


Deepak U. Bhojwani
Project Manager

Enclosure

cc: Mr. Dion Novak, U.S. EPA, Region V (SR-6J)



**List of Assumptions
Stage IV Soil Sampling
The Mississippi Gateway Initiative
East St. Louis, Illinois**

The following represent the major assumptions and proposed field sampling protocols for Stage IV Soil Sampling:

1. Based on prior experience, it was assumed that a three-person Weston Solutions, Inc. (WESTON®) team assisted by one United States Army Corps of Engineers (USACE) person would complete sampling of 150 locations in four days. Of these locations, approximately 144 samples will be located within the general area of concern. The remaining six samples will be located on the ALCOA property. Each sampling location shown in Figures 1 and 2 represent two sampling points. The samples associated with the ALCOA property are not shown on Figures 1 and 2.
*6-10 total
10 surface
1 @ depth
RCRA-8
2-4 samples
hold samples
2-4 potential
base SPCP
decisions on
lab results
of RCRA-8*
2. It is assumed that weather (i.e., rain) will not prohibit performance of field activities.
3. One X-Ray Fluorescence Analyzer (XRF) unit and one Global Positioning System (GPS) unit will be rented.
4. WESTON team will consist of one XRF-operator and one GPS-operator. During data collection, the third WESTON person and the U.S. ACE person will lay out sampling locations and obtain access agreements (as necessary).
** Deepak
sent map back
w/ my hand written
email to
Deepak*

Sampling will focus on the ground surface. Sampling procedures will be similar to those used for Areas A through F during Stage III. The 6 to 12 inch bgs interval will be investigated only if the surface readings exceed 10,000 mg/kg unless and until directed by the U.S. ACE. No sampling of soil below 12 inches bgs will be performed unless directed by the U.S. ACE. During cost estimation, WESTON assumed that 10% of the sampling locations would require investigation of soil underlying the ground surface.
6. A total of 12 soil samples including two duplicate samples and one MS/MSD sample will be submitted to the laboratory for lead analyses. A total of five soil samples including one duplicate and one MS/MSD samples will be submitted to the laboratory for RCRA-8 Metals Analyses. WESTON assumes that no samples would be collected for Target Analyte List (TAL), Target Compound List (TCL), or Toxicity Characteristic Leaching Procedure (TCLP) analyses.
7. Results will be submitted in a letter report.

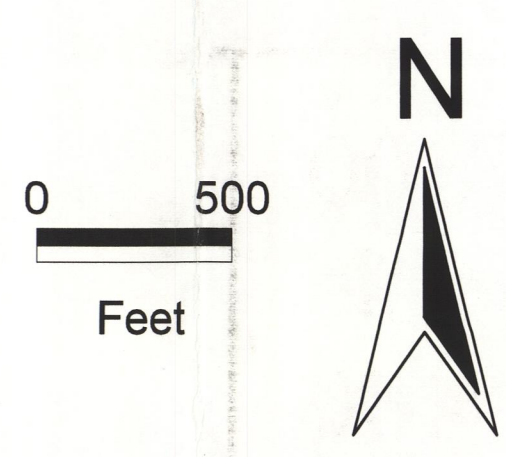
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The Mississippi Gateway Initiative
East St. Louis, Illinois**

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Church
 Playground
 School
Blood Lead Results (ug/dl)
 0 - 9.9
 10.0 - 19.99
 > 20
 Roads
 Washington Park Proposed Sampling Locations



Note:
Blood Lead Data provide by TTEMI



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Blood Lead Results through October 2002
and Proposed Sampling Locations
Washington Park Area
Mississippi River Gateway Initiative
East St. Louis, Illinois

FIGURE 1



FIGURE 2

- ✕ Church
- ★ Playground
- ⌘ School
- Blood Lead Results (ug/dl)
- ▲ 0 - 9.9
- ▲ 10.0 - 19.99
- ▲ > 20
- Roads
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0 500 Feet



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